SERVICE MANUAL

AWI 140T and 180T

For technical assistance please phone
0845 1303292

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SAFETY FIRST

DO NOT ATTEMPT REPAIRS IF YOU ARE NOT A QUALIFIED MICROWAVE SERVICE ENGINEER
DANGER HIGH VOLTAGE

This manual is designed to assist qualified microwave service engineers. Do not attempt to repair this machine before you switch it off and remove the plug from inlet or if the machine is hard wired switch it off and isolate at the circuit breaker.

Note: H.V circuitry is live whenever the fan motor is operating (via relay 3 to operate soft/start system).
DO NOT TOUCH WHEN MACHINE IS PLUGGED IN.

1) Ensure H.V. Capacitors (2) are both discharged using a suitably insulated discharge tool (AWI part number CSP1).

2) Do not attempt to measure High Voltage (C5000VDC) with the machine operating.

3) After repairing the machine before reconnecting the mains supply check the following:

a) All connections are correct and securely fitted.
b) Door interlock operation is correct.
c) Correct rating fuses are fitted and secure.
d) Earth connections are secure.
e) Cables are routed correctly and not rubbing on metal edges.

4) When power is connected check the following:

a) Machine does not emit microwaves until operated.
b) All controls are working correctly.
c) Microwave emissions are below maximum allowable of 5mw/cm² measured at 5cm from the machine. Any leakage in excess of 2mw/cm² @5cm distance should be investigated.
d) Power output is within the rated output range of + or – 10% at rated voltage.

SAFTEY FIRST

5) Before putting the oven back into service ensure the following:

a) Power supply is correct and earth bonding secure.
b) Location is not detrimental to the machine.
c) Ventilation is adequate with 50mm clear all round the machine.

REMEMBER

MICROWAVE OVENS ARE HIGH VOLTAGE/LOW IMPEDENECE,

HIGH VOLTAGE AND HIGH CURRENT, THEY CAN BE FATAL.

PLEASE TREAT WITH EXTREME CARE WHEN SERVICING.

AWI140T and AWI180T Specification

Power Requirement	**AWI180t** **AWI140T**	**230-240 ac 50Hz 13.0A Single Phase**
Power Consumption	**AWI180T** **AWI140T**	**3.1KW** **2.5KW**
Power Output Microwave 100%	AWI180T AWI140T	1800W (IEC 705) 1400W (IEC 705)
External Dimensions	Height Width Depth	335mm 510mm 415mm
Internal Dimensions	Height Width Depth Capacity	210mm 330mm 330mm 23 Litres
Weight	Net	30kg
Construction	Cavity & Case	Stainless Steel
Settings	Microwave Timer	100% 75% 50% Progressive defrost up to 30 ins. Up to 3 cooking stages of 9 mins 59 secs each.
Control System		**Wipe Clean Touch Pad** **Direct Readout of time and powerset** **10 Pre-programmed cooking sequences**
Safety Features		Four door interlock switches Magnetron and cavity overheat sensors
Additional Features		**Manual and easy to use multistage programming** **Built to increase magnetron life and for faster activation** **Multiple product facility**

INSTALLATION

Power Requirement: This model should be connected to a minimum 13A 230volt single phase and earth supply via either the 3 pin plug supplied, or a switched fused wall box with a type 'C' circuit breaker. The power supply available should be sufficient to sustain the voltage during switching and operation. Low voltage will result in lower microwave output and may damage the equipment.

Air Requirement: Good cooling is essential to good microwave operations. High internal temperatures due to air restriction will result in lower microwave output and may damage the equipment.
Allow a minimum of 50mm (2 inches) all around the oven.
When stacking 2 ovens allow a minimum of 150mm (6 inches) **above** the microwave ovens.
Remember the higher the machines are in the kitchen the higher the inlet air temperature and consequently the lower the microwave output.

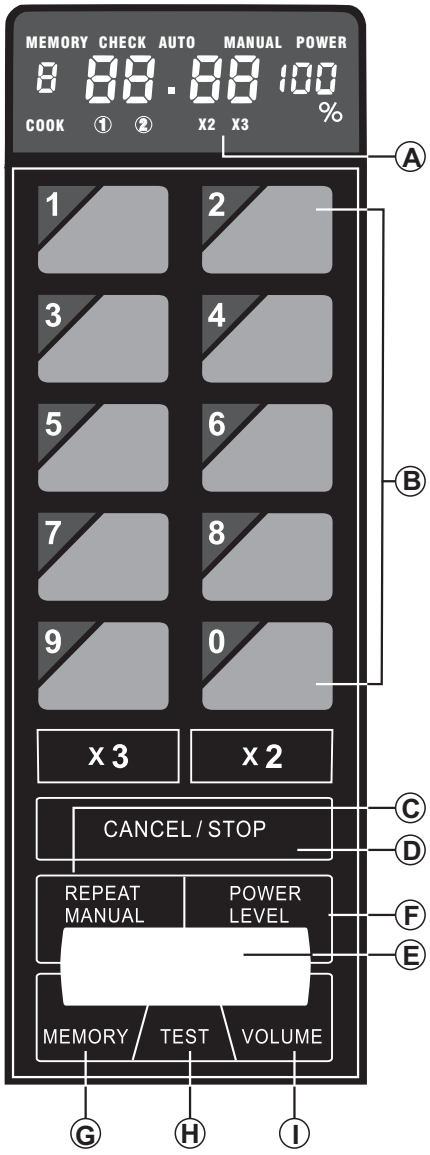
DO NOT INSTALL AWI 180T ADJACENT TO OR ABOVE FRYERS, GRIDDLES, CONVENTIONAL OVENS OR ANY OTHER SUBSTANTIAL HEAT SOURCE.

DO NOT STACK OVENS WITHOUT USING THE ADAPTER.

DO NOT STACK OVENS ANY MORE THAN 2 HIGH

YOU MUST LEAVE A MINIMUM OF 50MM ALL AROUND THE OVEN

THERE MUST BE NO MORE THAN 2 METERS FROM FLOOR LEVEL TO THE TOP OF THE HIGHEST AWI 140T or AWI180T



4. Manual operation

Manual operation is a method in which time and power can be repeatedly adjusted depending on the type and composition of the food which is being cooked.

4.1 1-stage cooking

Example 1:
2 minutes 15 seconds cooking time with 50% power.

— Open door.

— Place plate or dish in the oven.
The food should be evenly distributed on the plate in order to ensure a constant heating process.

— Close the door.

— Press "Manual/Repeat pad"(C).

— Set the correct time using pads (B):"2","1","5".

— Press Power Selection pad (F).
(If this pad is not pressed, the oven will work at full(100%) power).

— Press pad "5" in order to work with 50% power.

— Press START button (E). The digital display continuously displays the remaining cooking time.

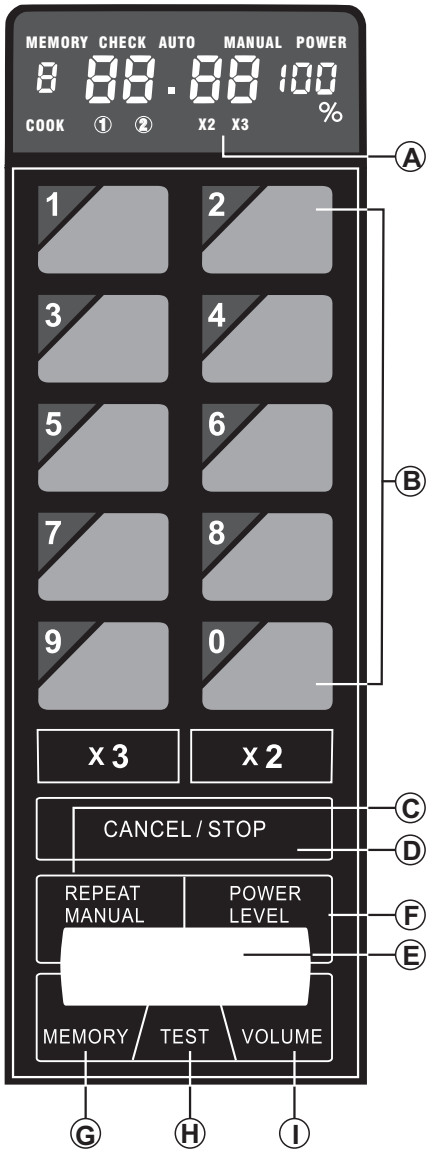
Interrupting the cooking process

Opening the door will automatically interrupt the cooking process. The digital display will display the remaining cooking time. To continue cooking, close door and press START button (E).
In order to select a new cooking time/power, press pad "STOP" (D).

— A signal will be heard at the end of the cooking process. It will stop as soon as the door is opened.

— Remove the food from the microwave oven.

In order to allow the oven to cool off, the fan will continue running for another minute. Do not disconnect the Microwave oven from the mains during this time.



4.2 2-stage cooking

Example 2:
Stage 1: 5 minutes 30 seconds cooking time with 70% power..
Stage 2: 3 minutes 10 seconds cooking time with 50% power.

This will result in a continuous cooking time of 8 minutes and 40 seconds.

— Open door.

— Place plate or dish in the oven.
The food would be evenly distributed on the plate in order to ensure a constant heating process.

— Close the door.

— Press "Manual/Repeat"(C).

— Set the time for the 1st cooking stage using pads (B): "5","3","0".

— Press Power Selection pad (F).

— Press pad "7" in order to operate with 70% power.

— Press "Manual/Repeat" pad (C).

— Set the time for the 2nd cooking stage using pads (B) "3","1","0".

— Press Power Selection pad (F).

— Press pad "5" to operate with 50% power.

— Press START button (E).
The digital display and shows which cooking stage of the programme is currently in progress.

— A signal will be heard at the end of the cooking process. It will stop as soon as the door is opened.

— Remove the food from the microwave oven.

In order to allow the oven to cool off, the fan will continue running for another minute. Do not disconnect the microwave oven from the mains during this time.

4.3 Repeat function

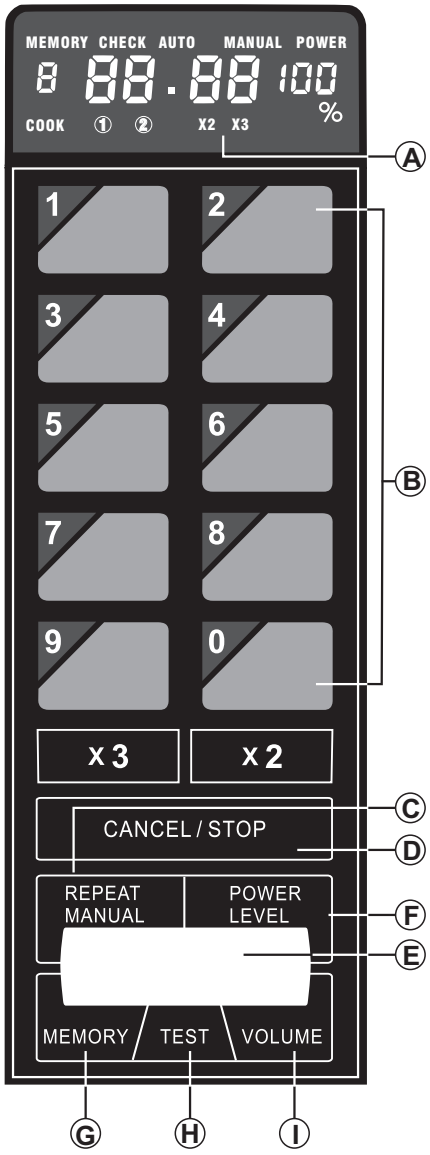
For ease of use with the this Microwave Oven, the same cooking process can be repeated as often as you wish.

— Place the plate or dish in the oven.

— Close the door.

— Press "Manual/Repeat" pad (C).
The digital display will indicate the time/power which was last set.

— Press the "START" button.



5. Programmed cooking

The programming function is automatically deactivated on connecting the microwave oven to the mains.
The pads "Memory"(G),"Test"(H) und "Acoustic signal level" (I) are inoperative.

5.1 To activate the programme

1. Close the door and press the Stop pad (D) twice.
2. Press Memory pad (G).
3. Press Start pad (E) twice.
4. Press the "0" pad.
5. Press Memory pad (G)
   ("MEMORY" will blink on the display).

The programming is now activated.

5.2 Deactivating the programme

1.Close the door and press the Stop pad (D) three times.
2.Press the pad "0".

The programming function is now cancelled. No information can be programmed.

5.3 Using the Programme Memory

Up to 10 different cooking programmes can be stored in the Memory.
It is possible to set 1 and 2 stage cooking in the Memory.

Example 1:

A 1-stage cooking programme using Memory space 1.
5 minutes cooking time with 70% power.

1. Activate the programming function.

2. Press the desired programme pad (B), in this instance "1".

3. Press "Manual/Repeat" pad (C).

4. Press pads "5","0","0".

5. Press Power Selection pad (F).

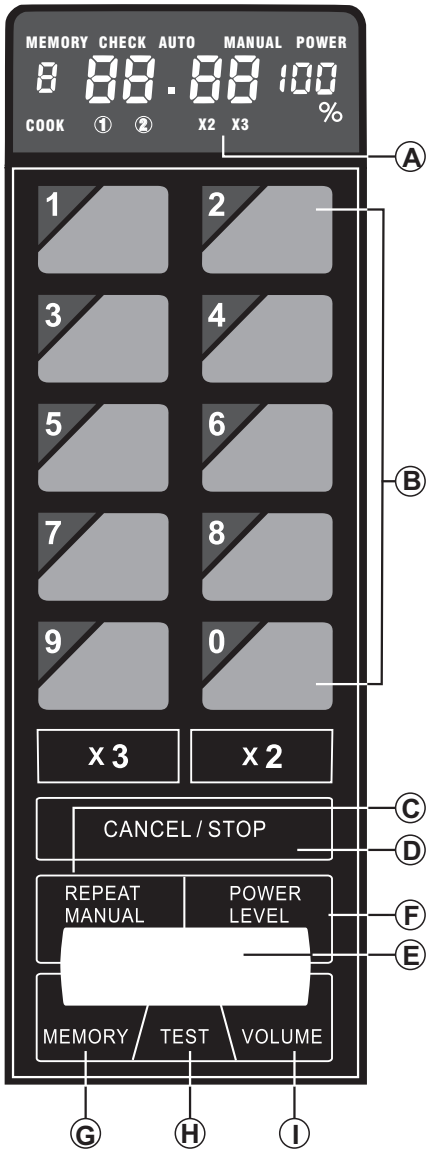
6. Press pad "7" for 70% power.

7. Press Memory pad (G).

To cancel a programming error, press Stop pad (D).
Then repeat steps 2-7.

In order to check whether a programme has been correctly completed, press pad "Test" and then pad "1".
The programme set under this Memory space number should appear on the display.

— **Cancel the programming function.**



Example 2:

Set a 2-stage cooking programme in Memory space 2.
Stage 1: 5 minutes 30 seconds cooking time using 100% Power.
Stage 2: 3 minutes 10 seconds cooking time using 10% power.

— **Active the programming function.**

— Press the Programme pad (B), in the present instance:"2".

Stage 1

— Press "Manual/Repeat" pad (C).
— Press pads "5", "3","0".

Stage 2

— Press "Manual/Repeat" pad (C).
— Press pads "3", "1","0".
— Press Power Selection pad (F).
— Press pad "1" for 10% power.
— Press Memory pad (G).
— **Cancel the programming function.**

In order to use the remaining 8 programming spaces, you repeat the process for the One-stage and Two-stage programme as described under the above two examples.

Used programme pads can simply be overwritten if required.

5.4 To use the programme function once the microwave has been programmed follow the instructions below.

— Open the door.

— Put the food which is to be cooked in the microwave oven and close the door.

— By pressing the desired Programme pad (B) the cooking process will immediately start up.

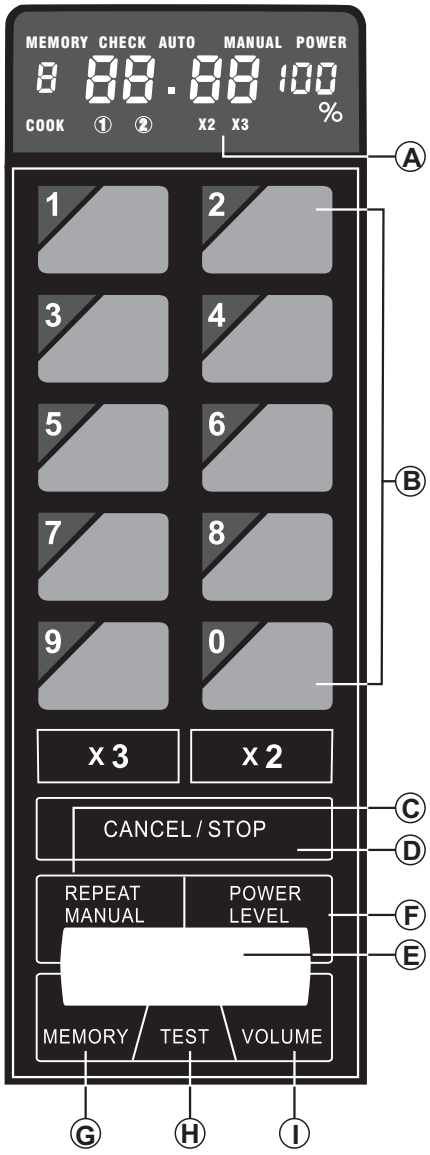
— An acoustic signal will be given at the end of the cooking process. The signal continues until the door is opened.

— Remove the food from the microwave oven.

In order to allow the oven to cool off, the fan will continue running for another minute. Do not disconnect the Microwave oven from the mains during this time.

Interrupting the cooking process
Pressing the Stop pad (D) will interrupt the cooking process. The remaining cooking time will be shown on the digital display.
Close the door and press the Start pad (E) to continue the cooking process.

Cancelling the cooking process
The cooking process will be automatically cancelled by opening the door. The remaining cooking time is not shown on the digital display. If you wish to continue select a NEW PROGRAMME.



6. x2 / x3 programmed cooking

The multiplication pads "x2" and "x3" are used when the quantity of food placed in the oven exceeds twice or three-times the portion specified in the programmed pads.

— Open the door.

— Place the food in the microwave oven and close the door.

— Press pad "x2" or "x3" (A).

— Press the required programme pad (B).

— An acoustic signal will sound at the end of the cooking process and will continue until the door is opened.

— Remove the food from the oven.

Should the required cooking time exceed the limit, "EE-1" will be shown in the display. Hence it will not be possible to cook the portion of food for that amount of time. Press the Stop pad (4) and reduce the quantity of food which has been placed in the oven.

Maximum cooking times for
1-stage cooking: 30minutes.
2-stage cooking: Power ≥ 50%-15 min. Per stage.
Power ≤ 40%-30 min. Per stage.

6.1 Altering the pre-set x2 / x3

The standard setting of the multiplication pads (x2=1.8 times / x3 =2.6 times) can, if desired, Be changed for each of the Programme pads 1-0.

Example for Programme pad 1:
Change the "x2" pad from a 1.8 setting to a 1.5-times pre-setting.

1. Activate the programming function.

2. Press Start button (E).

3. Press "x2" pad.

4. Press "1" pad.

5. Press "Manual/Repeat" pad (C).

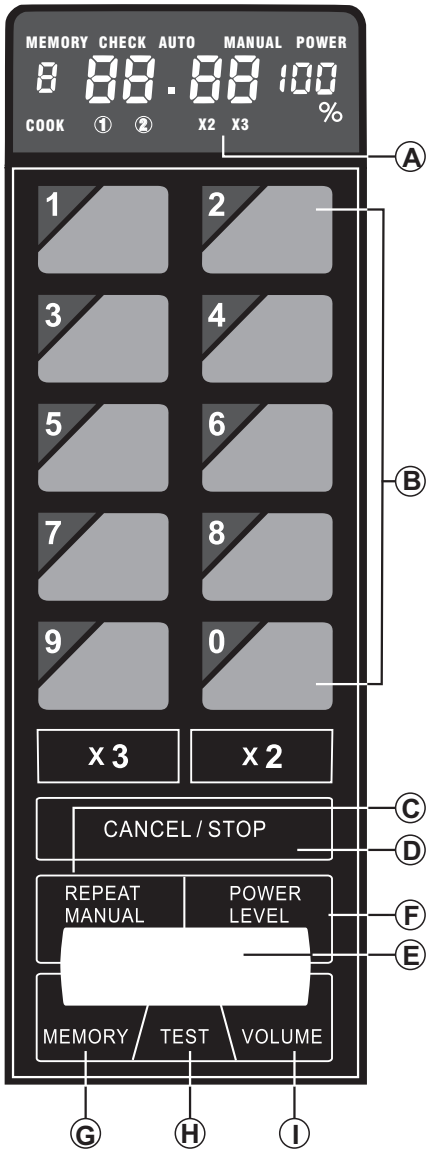
6. Press pads (B)"1","5" and "0".

7. Press Memory pad (G).

The new setting of the "x2" pad has been stored in the memory.

To check that the programming has been successfully completed, press the "Test" pad and then pad "x2" and "1". The x2-value set under this Memory space number should appear on the display.

— **Cancel the programming function.**



7. Checking the frequency of usage

This function allows you to determine:
— how often the appliance is used
— the number of manual cooking processes
— how often the individual memory spaces are used.

7.1 Retrieving the counter reading

— **Activate the programme function.**

— Press Stop pad (D).

— Press the "Test" pad (H) and keep depressed for 2 seconds. The total number of cooking processes will appear on the display.

In order subsequently to retrieve the counter reading of programmes 1-0 and "Manual cooking":

— Press the appropriate programme pad (eg. "1") or the Manual/Repeat pad (C).
The number of cooking processes of each programme in question will be shown on the display.

— **Cancel the programming function.**

7.2 Setting the counter to "zero"

All counter readings quoted in 7.1 must be individually cancelled according to requirements (eg. The total number of cooking process weekly; the individual programmes or "Manual" daily).

— **Activate the programming function.**

— Press the Stop pad (D).

— Press the "Test" pad (H) and keep depressed for 2 seconds. The total number of cooking processes since the last zero-setting will be shown on the display.

To reset the total counter readings to zero:

— Press Power Selection pad (F) and keep depressed for 2 seconds.
The counter will be reset to zero (display=0).

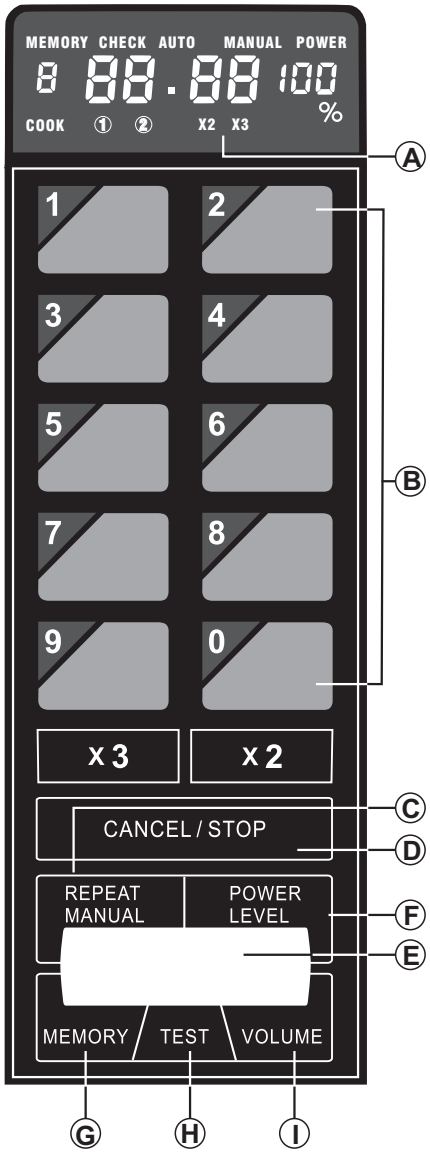
To reset the counter readings of the required programme pads (B) or "Manual operation" to zero:

— Press the appropriate programme pad (eg."1") or Manual/Repeat pad (C).
The number of cooking processes of each programme in question will be displayed.

— Press Power Selection pad (F) and keep depressed for 2 seconds. (Display=0).

Press the corresponding pad and repeat the last step in order to set other programme counters back to zero.

— **Cancel the programming function.**



8. Setting the acoustic signal

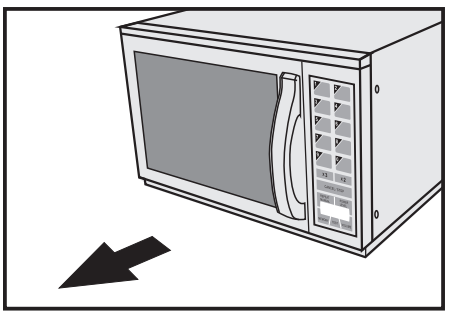
— **Activate the programming function.**
— Press Stop pad (D).
— Press "sound level" (I) until the required acoustic level is obtained.
— Press Memory pad (G).
— **Cancel the programming function.**

9. Cleaning

Always remove the mains plug before cleaning!

Remove any spilt food immediately using a damp sponge or cloth which has been dipped in a mild detergent.

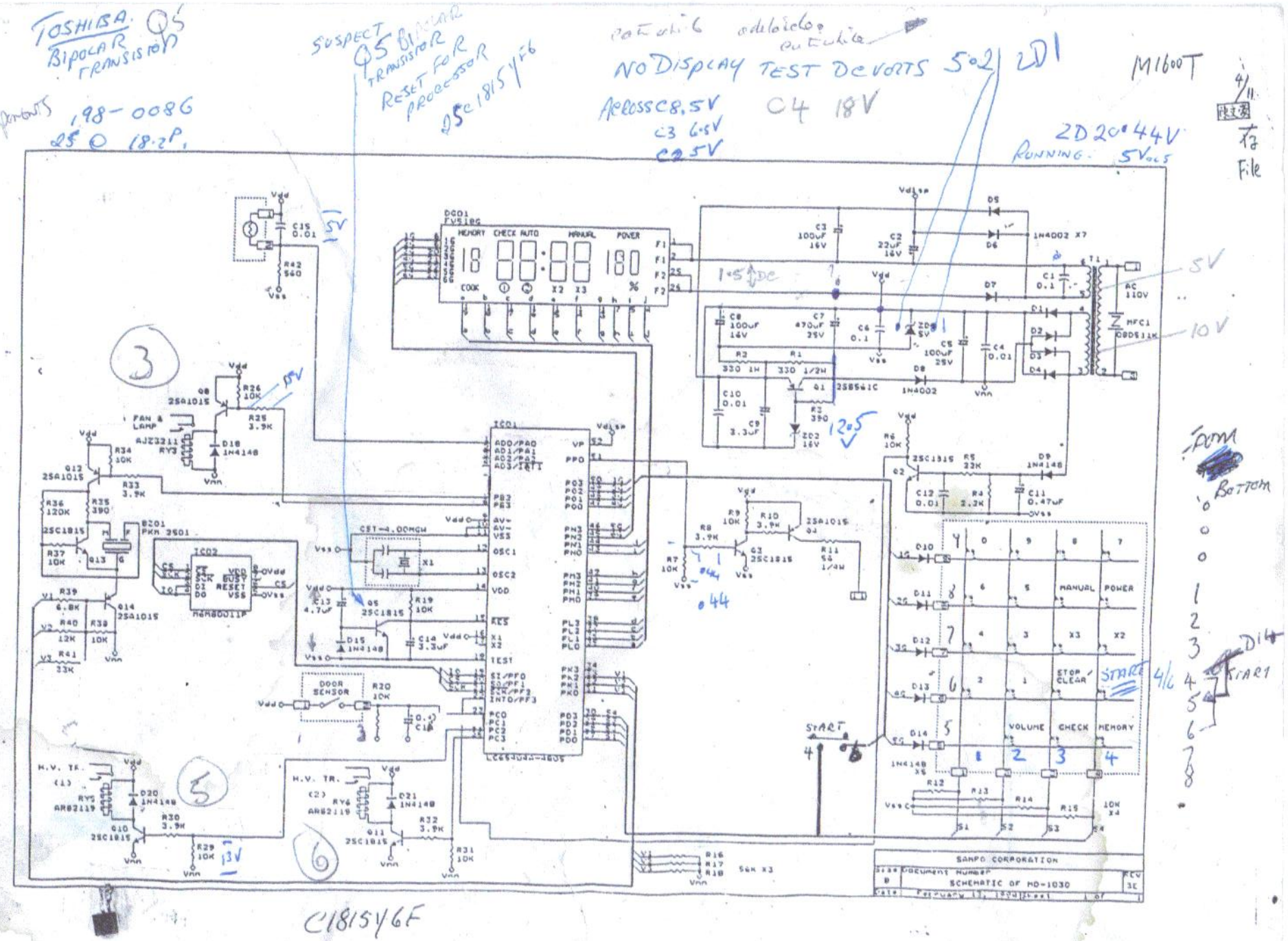
Never use harsh abrasives or scourers for cleaning purposes.



The whole oven area should be thoroughly cleaned once daily to prevent the appliance malfunctioning.
The door seals in particular should be carefully cleaned.

The air filter which is located directly below the door must be removed and cleaned once a week with hot water.
Do not forget to **re-install the filter** prior to using the appliance.

Clean the outside of the appliance with a chrome-nickel-steel cleaner of a type recommended by the manufacturer.

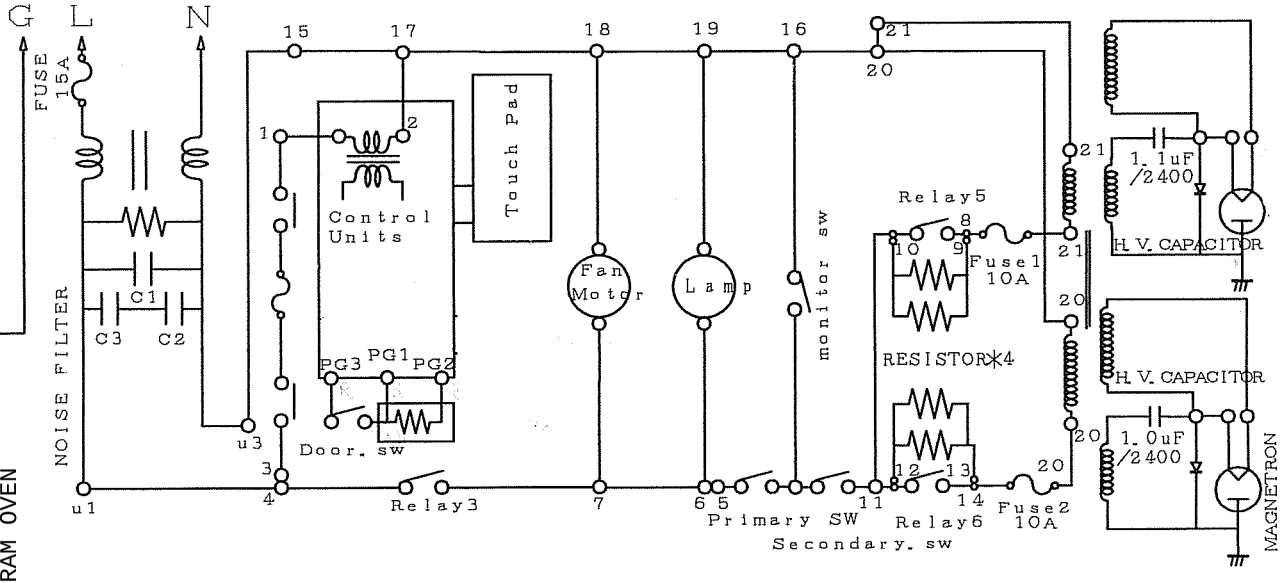

TOSHIBA Q5
BIPOLAR TRANSISTOR
SUSPECT Q5 BIPOLAR TRANSISTOR RESET FOR PROCESSOR
2SC1815Y/F6
NO DISPLAY TEST DEVICES 5.2 2D1
M1600T
RS Components 198-0086
2D20 44V
RUNNING 5Volts
APPROX 8.5V
C4 18V
C3 6.5V
C2 5V
180T
C1815Y/6F
MEMORY CHECK AUTO MANUAL POWER
VOLUME CHECK MEMORY
STOP CLEAR START
DOOR SENSOR
FAN & LAMP
H.V. TR. (1)
H.V. TR. (2)
SAMPO CORPORATION
SCHEMATIC OF MD-1030

CIRCUIT DIAGRAM

WARNING:POWER MUST BE DISCONNECTED BEFORE SERVICEING THIS APPLIANCE

CONDITIONS
DOOR , CLOSED
POWER RELAY, OFF

230V/50Hz



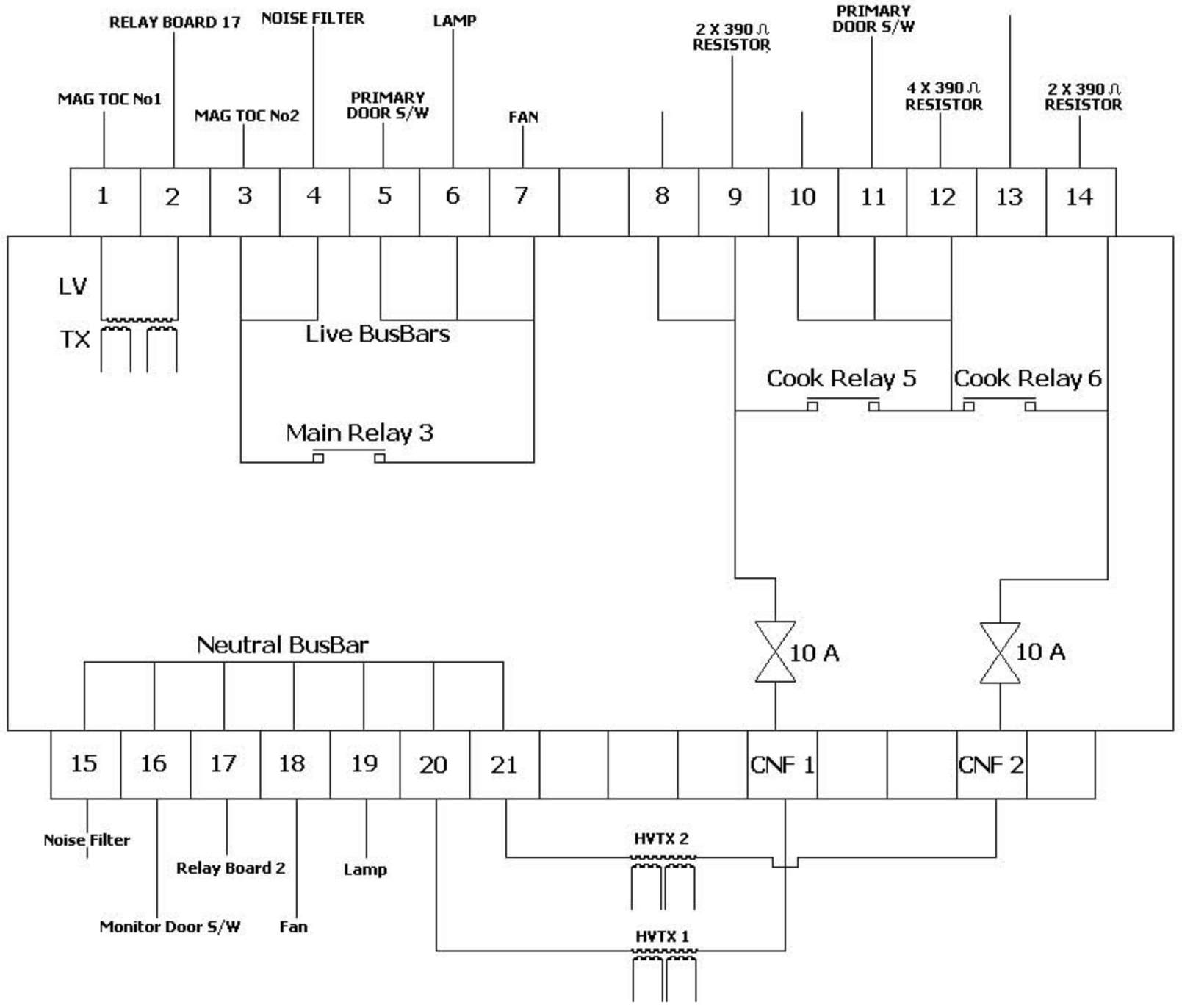
6 WIRING DIAGRAM OVEN

Awi Ltd

DRAWING NUMBER 55492

AWI 180T

7 WIRING DIAGRAM RELAY BOARD



8) DESCRIPTION OF OPERATION INCLUDING DOOR SWITCH OPERATION

a) Sequence of circuit.
Refer to wiring diagrams to follow sequence of operation.
When switched supply is connected 240V enters via special 15A fuse through the noise filter/suppressor to PCB terminal C4, both magnetron thermal cut outs (120°C), cavity thermal cut out (160°C) to terminal CN1 on main PCB assembly. Neutral is via noise filter/suppressor to terminal CN2 on main PCB.CN1 & CN2 supply the low voltage transformer and machine now powers up. The display colon illuminates and if the door is opened and closed Relay 3 will close which will supply 240V to the fan, oven lamp and 2 pairs of 390Ω soft start resistors via the door switches. These resistors drop the 240V down to approx 160/ 170V before supplying the high voltage transformers which as a result, produce insufficient high voltage to switch on the magnetrons. After 60 seconds relay 3 will de-energise if the machine is not operated and only the display colon will remain illuminated.
Opening the door will interrupt the supply to the soft start resistors & high voltage transformers (when relay 3 is energised) via primary and secondary door switches (normally open contacts).
When the machine is programmed and started relays 5 & 6 operate and short circuit both pairs of gold resistors there-by allowing full voltage to the high voltage transformers via the relay board 10A fuses and terminals CNF1 & CNF2.Lower power operation is controlled by switching of relays 5 &/or 6.

b) Door Switch Operation
The door switch system is designed to isolate the supply from the high voltage transformers whenever the door is not fully closed. It is also designed to fail-safe should contacts on the switch's fail or levers become obstructed with food, dust, debris etc.
When the oven door is closed the first switch to operate is the monitor switch (normally closed contacts) whose contacts open. This is followed by the primary and secondary interlock switches(normally open contacts) closing, together with the door sensing switch(normally open contacts) to activate the control system. From the wiring diagram it can be seen that failure to follow this sequence will result in a short circuit through the monitor switch causing the special 15A fuse to fail. When the door is opened the switch sequence is reversed. Door sensing, secondary and primary interlock switches operate first to isolate supply to the high voltage transformers followed by the monitor switch which closes its contacts. Again if sequence is incorrect the 15A fuse will fail. Should the 15A fuse fail due to operation of the monitor interlock circuit, primary, secondary and monitor switches should all be replaced.

8) DESCRIPTION OF OPERATION INCLUDING DOOR SWITCH OPERATION

c) High Voltage Circuit Operation

Each microwave circuit consists of a magnetron and a voltage doubler circuit. The voltage doubler consists of a special step-up transformer, a capacitor and a diode. See diagram for an explanation of how the doubler works.

9) TESTING COMPONENTS/FAULT FINDING

WARNING
NO HIGH VOLTAGE MEASUREMENTS SHOULD BE ATTEMPTED

DISCHARGE THE HIGH VOLTAGE CAPACITOR BEFORE TESTING PROCEDURES ARE CARRIED OUT.
THE FOLLOWING TESTS ARE ALL CARRIED OUT WITH THE OVEN ISOLATED FROM MAINS SUPPLY.

1) Membrane Key Assembly

Refer to wiring diagram (Section 7, 2). Tool multimeter.

a) Unplug membrane from PCB control.
b) Test for continuity between correct terminals when pads pressed.

2) High Voltage Rectifier (Doubler Diode)

Tool 500V megger or multimeter R9V

a) Disconnect from HV capacitor.
b) Measure continuity in both directions conducts one way only, infinite resistance the other. Diode is good.

3) Asymmetric Diode Assembly (Protector Diode)

Tool 500V megger or multimeter R9V

a) Disconnect from HV capacitor.
b) Measure continuity in both directions. Infinite resistance both ways Asymmetric Diode Good.

4) High Voltage Capacitor DISCONNECT ALL CONNECTIONS

Tool 500V megger or multimeter R9V

a) Test continuity between terminals using multimeter/megger. Reading should show some continuity initially then as capacitor charges resistance increases to approx. 10MΩ (leakage resistor as fitted).
b) Test insulation resistance each terminal to earth (casing) using megger/multimeter the reading should be infinite (10MΩ +).

9) TESTING COMPONENTS/FAULT FINDING

5) Magnetron

Tool 500V megger or multimeter R9V

a) Disconnect both magnetron terminals.
b) Test continuity between F & FA terminals (heater) using multimeter/megger. Correct reading is less than 1Ω.
c) Test insulation resistance either terminal to earth (magnetron body) correct reading infinity.

6) High Voltage Transformer

Tool 500V megger or multimeter R9V

a) Disconnect all connections to transformer 240 terminals.
b) Test continuity between terminals using megger/multimeter correct reading 1.2-1.4 Ω.
c) Test insulation using megger/multimeter correct reading should be infinite (10MΩ +).

7) High Voltage Winding

Tool 500V megger or multimeter R9V

Test continuity from Tag to frame using megger/multimeter (one end of winding connected internally to frame of transformer) correct reading approx 80 Ω.

8) Heater Winding (Filament)

Tool 500V megger or multimeter R9V

a) Test continuity between terminals on flying leads correct reading less than 1Ω.
b) Test insulation resistance correct reading infinite (10MΩ+)

9) Temperature Cut Outs (Magnetron and Cavity overheat)

Disconnect Neutral output from suppressors/noise filter assembly and check continuity to terminal 1 on PCB.

10) Blower Motor Assembly

Check continuity of windings correct reading approx 60Ω.

10) Power Testing

This machine is rated with a power output test to comply with BSEN60335 and IEC60705. Due to the complexity of the test method it is impractical to carry out this test in the ovens normal working environment.

As a simple test to assess the correct working of the machine
It is sufficient to proceed as follows.
It is essential to monitor the input voltage to ensure that the machine is operating at its rated voltage throughout the test period.
Low voltage input will result in low power output.
The machine should be cold as a warm oven will also lower the power output

1 litre of water at start temp 10-16°C Record Temp (T1)____

Heat in AWI180T on high power for 27 secs Record Temp (T2)____
Heat in AWI140T on high power for 33 secs Record Temp (T2)____
Temp rise T2 – T1 should be approx 10°C

11 EXPLODED VIEW

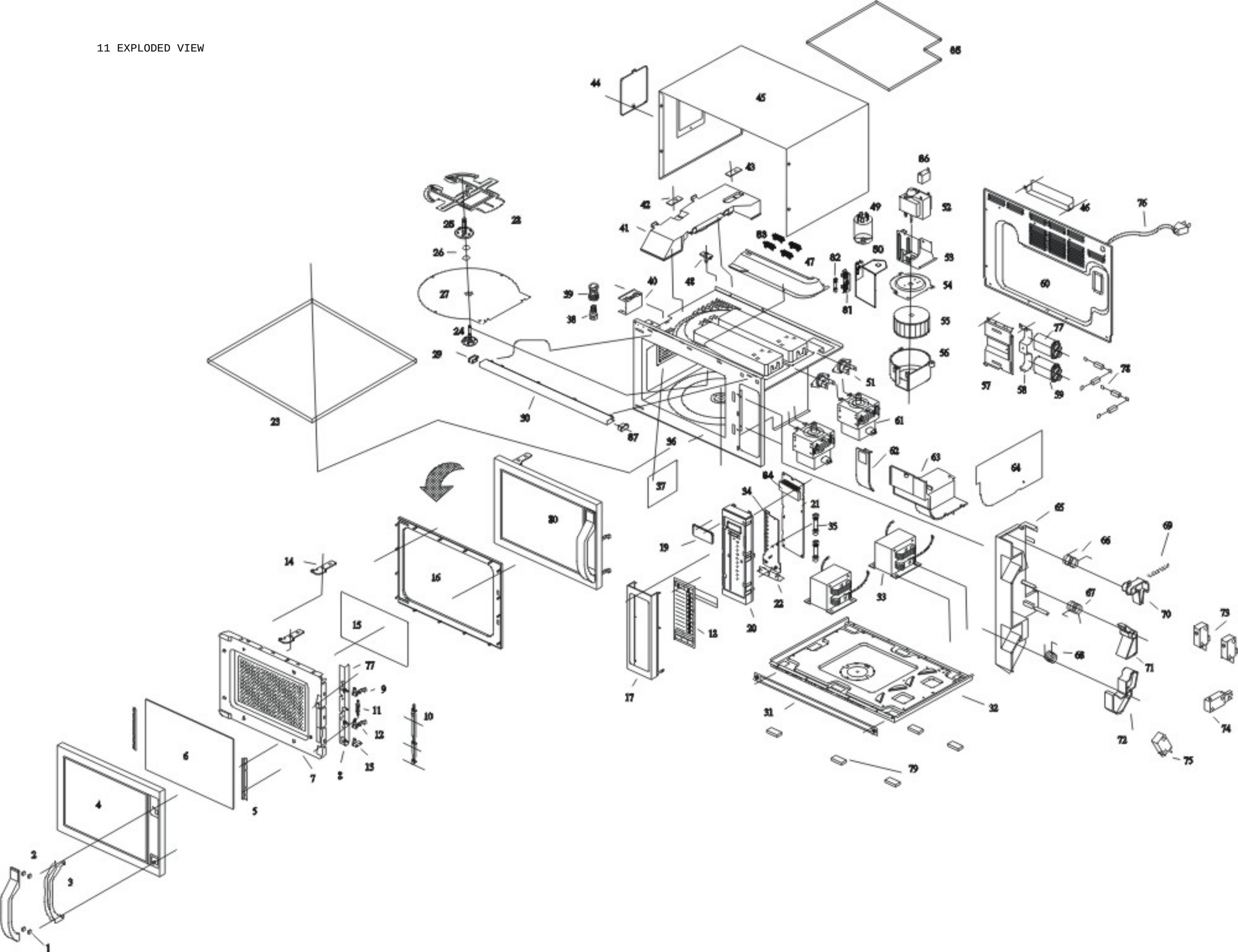


FIG.	ENG_ID NO.	PART NO	NGLISH DESCRIPTIO	COL
01	VC120 014	13	LSTP-0007V2-0--	GUIDE FOR HANDLE
02	VC120 008	52	JHNDM0163V2F0--	OUTER HANDLE
03	VC120 009	53	JHNDM0164V2F0Y-	INTER HANDLE
04	VC120 007	89	HDECM0007V2P0--	MASK OF DOOR
05	VC120 010	75	LANGF0625V2-0--	DOOR GLASS HOLDER
06	VC120 022	22	PGLS-0010V2-0--	OUTER GLASS OF DOOR
07	VC120 001	60	GMSKM0008V2T0--	FRAME OF DOOR
08	VC120 011	76	LANGF0630V2P0--	LATCH HOOK SUPPORT
09	VC120 017	38	MLOK-0022V2-0Y-	LATCH HOOK
10	VC120 016	38	MLNKM0005V2P0-1	LINK
11	VC120 018	23	MSPR-0038V2-0-A	SPRING
12	VC120 017	38	MLOK-0022V2-0Y-	LATCH HOOK
13	VC120 015	40	MLEV-0022V2-0--	LEVER OF DOOR
14	VC120 012	55	LANGF0631V2P0--	UP/DOWN HINGE
15	VC120 023	89	PGLS-0016V2-0--	INTER GLASS OF DOOR
16	VC120 019	62	PCOVZ0073V2-0-C	DOOR COVER
17	VC140 002	65	HDECM0008V2P0-Y	SUS PANEL MASK
18	VC140 007	34	QCTPB1046V2-0--	TOUCH PAD
19	VC140 003	85	HDECP0279V2F0--	DISPLAY COVER
20	VC140 004	5	HPNLC0162V2F0-C	CONTRAL PANEL
21	VC140 001	49	CPWB-0763V2-0Y1	CONTROL UNIT
21-1	VD140 001	42	RRLYD1105V2P0M-	RELAY
21-2	VD140 002	51	VSI65404A4805Y-	C.P.U
22	VC140 005	3	LANGF0632V2P0-1	PANEL SUPPORT
23	VC160 013	1	PGLS-0011V2-0--	GLASS TRAY
24	VC195 003	19	NSFTP0013V2-0--	SHAFT OF MICA
25	VC195 002	37	NSFTP0012V2-0--	SHAFT OF STIRRER
26	VC195 006	74	LSTYP0068V2-0-1	TEFLON WASHER
27	VC195 004	70	PSLD-0009V2-0--	MICA PLATE
28	VC195 001	88	NMIX-0003V2-0-A	STIRRER
29	VB100 004	45	LHLD-0218V2-0Y-	HOLDER FOR DECORATI
30	VB100 002	53	HDECM0009V2P0--	UP DECORATION
31	VC130 002	10	GNETM0035V2T0--	AIR NET
32	VC100 001	77	LCHSM0033V2T0-B	CHASSIS
33	VC100 003	60	RPT-J1338-1--OB	H.V.TRANSFORMER
34	VC140 013	28	CPWB-0833V2-0Y-	START BOARD
35	VC140 028	58	QFS-J103SV220Y-	10A FUSE
36	VC160 012	40	GOVN-0008V2K0-H	OVEN CAVITY
37	VB100 022	15	PSHD-0013V2-0--	FILM FOR LAMP

37	VC140 006	15	PSHD-0013V2-0--	FILM FOR LAMP
38	VC130 024	76	RLMPN1017-1----	LAMP
39	VC130 023	51	QSOCL1008-102--	LAMPHOLDER
40	VB100 003	41	LANGF0636V2-0--	LAMP FRAME
41	VC130 020	71	PGID-0026V2F0-1	AIR DUCT
42	VB100 060	47	CPWB-0765V2-0Y-	THERMISTOR BOARD
43	VB100 061	82	DWPB-0514V2-0Y-	TEMPERATIRE FUSE BC
44	VC130 001	76	GCOV-0011V2P0--	LAMP COVER
45	VB200 001	77	GCABM0008V2P0-A	CABIENT
46	VB200 003	10	PDUC-0001V2P0-A	AIR DUCT
48	VB100 005	27	LHLD-0219V2-0Y-	HOLDER FOR DECORATI
47	VC130 018	76	PGID-0024V2P0-2	UP AIR DUCT
49	VC130 022	5	RFILN0004V2-0Y-	NOISE FILTER
50	VC130 008	7	LANGF0742V2P0--	FRAME OF FILTER
51	VB100 028	43	RTHM-1009-1NZ--	THERMOSTAT
52	VC180 001	34	RMOTA1120-1FVY1	FAN MOTOR
53	VC180 011	1	LANGF0634V2P0--	MOTOR SUPPORT
54	VC180 010	72	LANGF0635V2P0--	AIR DUCT COVER
55	VC180 009	49	NFANS0001V2-0--	FAN
56	VC180 007	25	PDUC-0002V2F0--	DUCT FOR COOLING FA
57	VC190 001	13	LANGF0654V2-0-A	CAPACITOR FRAME
58	VC190 002	7	LANGF0728V2-0--	CAPAUTOR HOLDER
59	VC190 007	38	RC-EZ0073V2-0Y-	H.V.CAPACITOR
60	VB100 001	45	GCABB0173V2P0-B	BACK PLATE
61	VB100 029	15	VVM2M244-M62J1-	MAGNETRON
62	VB100 020	69	PGID-0023V2P0--	DUCT FOR MGT
63	VC130 019	34	PGID-0025V2F0--	DUCT
64	VB100 010	60	LPLT-0005V2-0--	DUCT COVER
65	VC150 003	23	LHLD-0506V2F0--	SWITCH HOLDER
68	VC150 008	22	MSPR-1063V2-0--	SPRING
71	VC150 004	36	MLEV-0023V2F0--	UPPER LEVEL
72	VC150 006	18	MLEV-0024V2F0--	LOWER LEVEL
73	VC150 010	59	QSW-M1020-11-1B	MICRO SWITCH
74	VC150 011	38	QSW-M1021-11-1B	MICRO SWITCH
75	VC150 012	70	QSW-M1017V2-0-C	MICRO SWITCH
76	VB100 023	14	QACC-1015V2-0--	PWOER CORD
77	VC190 011	53	RC-EZ1167V2-0Y-	H.V.CAPACITOR
78	VC190 008	23	VSDHVR32B062H--	H.V.DIODE
79	VB400 002	70	PCUSU0101V2-0--	CUSHION
80	VB100 042	55	DDOR-0236V2K0-1	ASSEMBLY DOOR UNIT
81	VC130 010	26	QFSHB1030-1-U--	FUSE HOLDER
82	VC130 009	43	QFS-A153NV220Y-	15A FUSE
83	VC130 003	62	QFSH-0002V2-0--	RESISTOR
84	VD140 003	62	VVKFV518GN-----	DISPLAY

85	VB200 004	31	PFPFL0007V2P0-A	HEAT INSULATER
86	VC180 012	10	RC-EZ1128V2-0--	NOISE CAPACITOR
87	VC130 005	33	LANG-0110V2P0--	GUIDE PLATE (1)
88	VC130 004	85	LANG-0109V2P0--	GUIDE PLATE (2)
89	VC130 006	70	LX-LZ0005V2N0--	BLQCKADE FOR AIR INL
90	VC130 007	52	LX-LZ0006V2N0--	SCREW FOR INLET
91	VB400 002	48	SPAKC05384V2R0--	PACKING CASE
92	VB400 002	63	TINSE1867V2-0--	OPERATION MANUAL
93	VB100 006	48	LHLDK0031V2-0--	STOP CORD
94	VB100 011	34	LX-LZ0007V2N0--	RIVET
95	VB100 021	56	PISLM0012V2-0--	STIRRER STOPER
96	VB100 064	30	LBSH-0018V2-0--	FUSE COVER
97	VC190 003	23	QTIPW1035-1162B	HIGH VLOTAGE WIRIN
98	VC190 004	84	QTIPW1035-1163B	HIGH VLOTAGE WIRIN
99	VC190 005	29	QTIPW1035-1164-	HIGH VLOTAGE WIRIN
100	VC190 006	1	QTIPW1035-1165-	HIGH VLOTAGE WIRIN

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